## IN THE CLAIMS

Please amend the claims as follows:

- 1. (Currently Amended) An apparatus for generating a plurality of charged particle beamlets, comprising:
- -a charged particle source for generating a diverging charged particle beam;
- -a converging means for refracting said diverging charged particle beam;
- -a lens array comprising a plurality of lenses, located between said charged particle source and said converging means; and splitting means for splitting said charged particle beam in a plurality of charged particle beamlets.
- 2. (Original) The apparatus according to claim 1, wherein the con-verging means is adapted for refracting a diverging charged particle beam into a substantially parallel charged particle beam for generating a plurality of substantially parallel charged particle beamlets.
- 3. (Original) The apparatus according to claim 1, wherein said charged particle source is arranged in a focal plane of said converging means.
- 4. (Original) The apparatus according to claim 1 or 3, wherein the lens array is arranged to project images of said source in the principal plane of said converging means.
- 5. (Cancelled)

- 6. (Currently Amended) The apparatus of claim  $\frac{51}{2}$ , wherein said splitting means comprises a spatial filter.
- 7. (Original) The apparatus of claim 6, wherein said splitting means comprises an aperture array.
- 8. (Original) The apparatus of claim 6 or 7, wherein said spatial filter is located between said charged particle source and said lens array to split up said diverging charged particle beam into a plurality of charged particle beamlets.
- 9. (Original) The apparatus of claim 7, wherein said spatial filter is concave with respect to said source.
- 10. (Original) The apparatus of claim 9, wherein the curvature of said spatial filter has its focal point substantially in the origin of the charged particle beam.
- 11. (Currently Amended) An apparatus for generating a plurality of charged particle beamlets, comprising:

  -a charged particle source for generating a diverging charged particle beam;
- -a converging means for refracting said diverging charged
  particle beam;
- -a lens array comprising a plurality of lenses, located between said charged particle source and said converging means, The apparatus of claim 1, wherein said lens array is concave with respect to said source.

- 12. (Original) The apparatus of claim 11, wherein the curvature of said lens array has its focal point substantially in the origin of the charged particle beam.
- 13. (Currently Amended) The apparatus of claim  $\frac{51}{2}$ , wherein said splitting means is aligned with said lens array for providing each lens with an individual beamlet.
- 14. (Original) The apparatus of claim 1, wherein the charged particle beam is an electron beam and said lens array is an array of electrostatic lenses.
- 15. (Original) The apparatus according to claim 1, wherein said lens array comprises an aperture plate, and means for defining a equipotential surface substantially parallel to said aperture plate at a distance from siad aperture plate at a different potential than siad aperture plate itself.
- 16. (Original) The apparatus of claim 15, wherein the aperture plate has a electrically conducting surface and means for defining the electrostatic potential of said surface.
- 17. (Original) The apparatus of claim 16, wherein said means for de-fining an equipotential surface comprises a plate having a through hole at the location of the beam

of beamlets, in particular a circular hole having its center at the optical axis of the charged particle beam.

- 18. (Original) The apparatus of claim 17, wherein said means for de-fining an equipotential surface are located between said source and said lens array.
- 19. (Original) The apparatus of claim 17, wherein said means for de-fining an equipotential surface are located between said array of converging elements and said converging means.
- 20. (Original) The apparatus according claim 1, wherein said converging means comprises at least one deflector array with deflectors aligned with the beamlets.
- 21. (Original) The apparatus of claim 20, wherein said converging means further comprises a controller for applying different voltages to the different deflectors of said deflector array.
- 22. (Original) The apparatus of claim 21, wherein said controller is adapted for applying voltages to each deflector of said deflector array for deflecting a beamlet, with the con-troller adapted for setting the voltages to have each deflector assert a deflecting effect proportional to the distance of a deflector with respect the optical axis of the beam.

- 23. (Original) The apparatus of claim 21, wherein said controller is adapted for applying voltages to each deflector of said deflector array for deflecting a beamlet, with the con-troller adapted for setting the voltages to have each deflector assert a deflecting effect sufficient for compensating aberrations of further converging devices of the converging means.
- 24. (Original) The apparatus according to claim 1, wherein said con-verging means is an electrostatic lens.
- 25. (Original) The apparatus according to claim 24, wherein said lens array comprises an end plate providing a first electrode in said electrostatic lens.
- 26. (Original) The apparatus according to claim 25, further provided with a second controller for applying a voltage to the electrodes of said electrostatic lens for operating said electrostatic lens substantially free of spherical aberration.

## 27. (Cancelled)

- 28. (Currently Amended) The apparatus of claim 1-er 27, wherein said charged particle beam is an electron beam.
- 29. (Currently Amended) The apparatus of claim 1-or 27, wherein said charged particle beam is an ion beam.

- 30. (Currently Amended) A charged particle beam lithography system comprising the apparatus of claims 1 or 27.
- 31. (Original) A substrate processed with the charged particle beam lithography system of claim 30.
- 32. (Currently Amended) A charged particle beam microscopy system comprising the apparatus of claims 1 or 27.